

Title (en)

Hydrocracking catalyst with reduced zeolite content.

Title (de)

Hydrokrackkatalysatoren mit vermindertem Zeolitgehalt.

Title (fr)

Catalyseurs d'hydrocraquage avec teneur réduite en zéolite.

Publication

EP 0182216 A2 19860528 (EN)

Application

EP 85114197 A 19851107

Priority

US 67352084 A 19841120

Abstract (en)

A catalyst composition composed of a porous, inorganic refractory oxide in intimate combination with between about 40 weight percent and about 70 weight percent of a crystalline aluminosilicate Y zeolite. The Y zeolite contains ion-exchanged Group VIII noble metal cations and preferably has a silica-to-alumina mole ratio above about 6.0. Such a catalyst containing the recited amount of zeolite has been found to possess higher than expected activity when used to hydrocrack feedstocks in an ammonia-deficient atmosphere and to retain activity for hydrocracking in ammonia-deficient atmospheres after regeneration. The most preferred Y zeolite for use in the catalyst has a silica-to-alumina mole ratio between about 6.1 and about 7.0 and is prepared by contacting an ammonium-exchanged Y zeolite with an aqueous solution of ammonium hexafluorosilicate.

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IPC 8 full level

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CPC (source: EP)

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Cited by

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